Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.





WATER SUPPLY OUTLOOK

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

for

WYOMING

UNITED STATES DEPARTMENT of AGRICULTURE...SOIL CONSERVATION SERVICE, and
STATE ENGINEER of WYOMING

Data included in this report were obtained by the agencies named above in cooperation with the Bureau of Reclamation, U.S. Forest Service, National Park Service, and other Federal, State and private organizations.

APR. 1, 1963

UNITED STATES DEPARTMENT OF AGRICULTURE - SOIL CONSERVATION SERVICE

To Recipients of Water Supply Outlook Reports:

The climate of the cultivated and populated areas of the West is characterized by relatively dry summer months. Such precipitation as occurs falls mostly in the winter and early spring months when it is of little immediate benefit to growing crops. Most of this precipitation falls as mountain snow which stays on the ground for months, melting later to sustain streamflow during the period of greatest demand during late spring and summer. Thus, nature provides in mountain snow an imposing water storage facility.

The amount of water stored in mountain snow varies from place to place as well as from year to year and accordingly, so does the runoff of the streams. The best seasonal management of variable western water supplies results from advance estimates of the streamflow.

A snow survey consists of a series of about ten samples taken with specially designed snow sampling equipment along a permanently marked line, up to 1000 feet in length, called a snow course. The use of snow sampling equipment provides snow depth and water equivalent values for each sampling point. The average of these values is reported as the snow survey measurement for a snow course.

Snow surveys are made monthly or semi-monthly beginning in January or February and continue through the snow season until April, May or June. Currently more than 1400 western snow courses are measured each year. These measurements furnish the key data for water supply forecasts.

Streamflow forecasts are obtained by a comparison of total or maximum snow accumulation, as measured by snow water equivalent, to the subsequent spring and summer or snowmelt season runoff over a period of years. The snow water equivalent measured in selected snow courses provides most of the index to the streamflow forecast for the following season. More accurate forecasts are usually obtained when other factors such as soil moisture, base flow and spring precipitation are considered and included in the forecast procedure. Early season forecasts assume average climatic conditions through the snowmelt season.

Listed below are the Federal-State-Private Cooperative Snow Survey and Water Supply Forecast reports available for the West which contain detailed information on snow survey measurements, streamflow forecasts, reservoir storage, soil moisture and other guide data to water management and conservation decisions. Soil Conservation Service Reports may be secured from Water Supply Forecasting Unit, Soil Conservation Service, P.O. Box 4170, Portland 8, Oregon.

PUBLISHED BY SOIL CONSERVATION SERVICE

REPORTS	ISSUED	LOCATION	COOPERATING WITH
RIVER BASINS			
WESTERN UNITED STATES	_ MONTHLY (FEBMAY).	PORTLANO. OREGON	_ ALL COOPERATORS
STATES			
ALASKA	_ MONTHLY (MAR MAY)	PALMER. ALASKA	_ ALASKA S.C.D.
AR (ZONA	SEMI-MONTHLY(JAN.15 - APR.1)	— PHOENIX. ARIZONA	_ SALT R. VALLEY WATER USERS ASSOC. ARIZ. AGR. EXP. STATION
COLORAGO ANO NEW MEXICO	MONTHLY (FEB. MAY)	FORT COLLINS, COLORAGO	- COLO. STATE UNIVERSITY COLO. STATE ENGINEER N. MEX. STATE ENGINEER
I DAHO	_ MONTHLY (JANJUNE)	BOISE. TOAHO	_ loaho State Reclamation Engineer
MONTANA	_ MONTHLY (JAN JUNE)	BOZEMAN, MONTANA	MONT. AGR. EXP. STATION
NEVACA	_ MONTHLY (JANMAY)_	RENO, NEVADA	NEVACA DEPT. OF CONSERVATION AND NATURAL RESOURCES - DIVISION OF WATER RESOURCES
ORE GON -	_ MONTHLY (JANJUNE)	PORTLANO, OREGON	OREG. STATE UNIVERSITY OREGON STATE ENGINEER
UTAH	_ MONTHLY (JAN JUNE)	SALT LAKE CITY. UTAH	UTAH STATE ENGINEER
WASHINGTON	_ MONTHLY (FEB JUNE)	SPOKANE. WASHINGTON	WN. STATE DEPT. OF CONSERVATION
WYOMING	_ MONTHLY (FEBJUNE)_	CASPER. WYOMING	_ WYOMING STATE ENGINEER
	PUBLISHED	BY OTHER AGENCIES	
REPORTS	ISSUED		AGENCY
BRITISH COLUMBIA	MONTHLY (FEBJUNE)_	WATER RIGHTS BR. NATURAL RESOURCE B.C., CANADA	, DEPT. OF LANOS, FORESTS AND S, PARLIAMENT BLDG., VICTORIA,
CALIFORNIA	MONTHLY (FEBMAY)	CALIF. DEPT. OF	WATER RESOURCES, P.O. BOX 388,



INDEX TO WYOMING SNOW COURSES

ORAINAGE BASIN AND COURSE NAME	WYOMING NUMBER	ELEV.	LOCATIO SEC. LAT,	N TWP.	RANGE LONG.	RECORO BEGAN	MEAS. DATES a	MEAS. BY b	DRAINAGE BASIN AND COURSE NAME	WYOMING NUMBER	ELEV,	LOCATIO SEC, LAT.	TWP.		RECORD BEGAN	MEAS. OATES a	MEAS. BY b
		MISSO	URI RIVER	ORAIN	AGE						,,,,,						
MADISON RIVER									POWDER RIVER	7514	8000	10	, Ц5N	85W	1960	2,3,4,5	!
Norris Basin 21 Mile m	10E2 11E6	7500 7150	神神	IIS	110 751	1936 1934	2,3,4,5		Bear Trap Canyon Creek	7F1A 7F2 7E36/	7400	i6 15	<u>Д́3</u> м 51м	86 W 85 W	1960 1960	2,3,4,5	i
West Yellowstone m	11E7	6700	34	138	5E	1934	1,2,3,4,	, ,	Clouds Peak County Line	7E6MI		1 2	Ц8N Ц8N	86 w 84 w	1956	2,3.4.5	1
YELLOWSTONE									Muddy Creek G.S. Munkres Pass Onion Guich	7E8 7E27/	9700	11 31	48n 48n	85 W 85 W	1950 1956	2,3,4,5	1,6
Canyon Cooke City m	10E3 1007#P		33 22 14 14 1	98	110 301	1938	1,2,3,4,9		Soldler Park Sour Dough	7E5 6E1	8700 8500	36 17	51 N 49 N	85 W 84 W	1950 19 3 6	2,3,4,5	1,6
Crevice Mountain m East Entrance	1005 9E5MP	8400 7000	44 291	98	9E 110 00'	1948	3,4 1,2,3,4,		SWEETWATER								
Lake Camp #1, #2 Lupine Creek	10ETW	7850 7300 7900	中 34,		110 24,1 110 37,1 110 35,1	1937 1938 1946	1,2,3,4,5		Grannier Meadows	8G4	9000	19	30N	100W 103W	1937 1949	2,3,4,5	1
Thumb Olvide Sylvan Pass	10E7 10E5	7100	11 28		110 021	1936	1,2,3,4,5	5 2	Larsen Creek South Pass	966A 863M	9000	12 13	30N 30N	101#	1939	2,3,4,5	i
CLARK'S FORK									LARAMIE RIVER								
Lodgepole	9EI	8200	32	56N	106W	1940	2,3,4,5	۱,4	Brooklyn Lake #2	6H1 W		11 2	16n 6n	79W 76W	1956	2,3,4,5	1
WIND RIVER									Cameron Pass c Deadman Hill c	5J1 5J6	10285 10200 9000	26 4	10N 12N	75W 78W	1937 1960	3,4,5	1
ðig Warm Burroughs Creek	9F12 9F4	8800 8800	36 15	73N 75N	109W 107W	1955 1948	2,3,4,5		Evans Foxpark	6H15 6H12I 6H2		21 21	13N 16N	78W 79W	1936 1936	2,3,4,5	4
Oinwoodie Oinwoodie Glaciers	9F10 9F17A	10000	8 43 161	3N	6W 109 38' 6W	1948 1959	2,3,4,5	1,3	Hairpin Turn #3 Libby Lodge #2	6H3 5J23	8700 9300	29 32	16N 8N	78₩ 75₩	1936	2,3,4,5	- 1
Ory Creek OuNoir	9F9 9F6	9500 8750 8500	10 27 12	3N 42N 41N	108W	1948 1948 1948	2,3,4,5 2,3,4,5 2,3,4,5	1,3	Lost Lake c McIntyre c Pole Mountain #2	5J15 5H1	9100 8700		10N 15N	76W 72W	1949 1936	2,3,4,5	ļ
Geyser Creek Little Warm Sheridan R.S. #2	9F7 9F8 9FI4	9500 7500	2L ₁	LIN L2N	108W 109W	1948 1955	2,3,4,5	ij	Roach c	6312		5	ION	77 W	1940	2,3,4,5	'
T-Cross Ranch Togwotee Pass	9F3 10F9MP	8000 9600	1 29	43N 44N	107 W	1940	2,3,4,5	i 5	CROW CREEK							2715	
POPO AGIE RIVER	,	,555	-/			*,,,,	-151415		Pole Mountain #2	5н1	8700	35	15N	72 W	1936	2,3,4,5	'
Blue Ridge	8 c 2	9500	23	31 N	101 W	1939	2,3,4,5	1	NORTH PLATTE					20	Iolo	2715	
Bruce's Camp Hobbs Park	865 963	6500	2 <u>1</u> 22	32N 2S	101W 3W	1955 1948	2,3,4,5	1	Albany Bottle Creek	6H11.	8200	24	17M	78 W 85 W	1949 1936	2,3,4,5	,6
Mosquito Park R.S. Sawmill Glade	964 861	9500 8500	23 3	2S 31N	3W 101W	1940 1939	2,3,4,5	- -	Boxelder #2 Cameron Pass	5GI 5JI	9000	2	30N 6N	75 W 76 W	1950 1936 1954	2,3,4,5	_
South Pass St. Lawrence R.S.	8G3MP 9FII	9000	13 26	30N I N	7м 101м	1939 1940	2,3,4,5	1,3	Casper Mountain Columbine c	6GI#	9300		32 N 5 N	79₩ 82₩	1936	2,3,4,5	2
Trout Creek Twenty Lakes	962 967A	8400 10500	5 22	2\$ \$	2₩ 5₩	1948 1959	2,3,4,5	1,3	Elk River c Foxpark	917		21	13N	85 W 78 W	1936 1936 1949	2,3,4,5	4
OWL CREEK									LaBonte North Barrett Cre				27 N 16 N 16 N	74 W 80 W 80 W	1936 1938	2,3,4,5 2,3,4,5 2,3,4,5	i,6 i,6
Owl Creek	8FI	8700	36	43N	101 W	1948	2,3,4,5	1	North French Cree Northgate c Old Battle	ык 6нЦР 6J7 6н10	8500	7	11N 14N	79W 85W	1950	2,3,4,5	1,6
GREYBULL RIVER									Park View Rock Creek	915 915	9200	24	5N 17N	78W 79W	1936	2,3,4,5	1
Frontier Needle Kirwin 9	9E6 9F19A	10000	28 13	47N 45N	107М 107М	1961 1960	2,3,4	1	Ryan Park Webber Spring	646A 649#	8400	34	16N	81 W 85 W	1936 1936	2,3,4,5	1,6
Wood River #2 Timber Creek #2	9F15 9E3	8000 8800	28 25	46N 47N	103 W	1956 1955	2,3,4,5	İ	Willow Creek Pass		9500		411	78W	1938	2,3,4,5	
SHOSHONE RIVER									CHEYENNE RIVER				•				
Carter Mountain	9ELM	7800	15	50N	103 W	1957	1,2,3,4	1	Terry Peak sd Upper Spearfish	3E2 sd 3 E1	7000 6500		3N	1E 2E	1944 1960	2,3,4	1,4 4
East Entrance Sylvan Pass	9E5MP 1 0E5	7000	山 28		110 001	1948 1936	1,2,3,4,5	5 2			COLO	RAOO RIVE	R ORAIN	AGE			
Yount's Peak	9F18A	8500	43 56 1		109 491	1960	2,3,4	'	GREEN RIVER abov	ve GREEN RI	VER						
NOWOOO CREEK	7F1A	8000	10	45N	85W	1960	2 2 1. 5		Big Sandy Opening	3 / 2/.	J T	17	31N	104W	1961	2,3,4,5	1,4
Baar Trap Canyon Creek Cold Springs Camp	7F2 7E25	7400 87000	16	43N 50N	86 W 88 W	1960 1956	2,3,4,5 2,3,4,5 2,3,4,5		Blind Bull Summit Outch Joe R.S. East Rim Oivide	965	8700 7MP 7950	32	31N	115W 10ДW	1948 1936	2,3,4,5	1.4
County Line Medicine Lodge Lakes	7E6 7E2LM	82 00 9500	i 7	Д8N 51N	86 W 87 W	1963 1956	2,3,4,5	į	Elk Heart Park G. Gros Ventre		P 9400	32 16	37 N 35 N 40 N	111W 108W 111W	1936 1961 1948	2,3,4,5	بإرا
Munkres Pass	7E8	9700 8100	it .	ЦВи	85W	1950	2,3,4,5	ij	Kendall R.S. #1 Kendall R.S. #2	IOFI	5 790	36 23 23	38n 38n	I I OW	1936 1961	2,3,4,5	1,4 1,4
Onion Guich Tyrell R.S.	7E274 7E35	8300	31 30	48N 49N	85 W	1956 1956	2,3,4,5		Loomis Park #1 Loomis Park #2	IOFI	6 8500	14	37N 37N	IIIW IIIW	1936	2,3,4,5 2,3,4,5 2,3,4,5	1,4
West Tensleep Lake SHELL CREEK	7E26A	9075	33	50N	86 W	1956	2,3,4,5	'	Mulligan Park New Fork Lake	9GI 9F21	8900	28 11	35 N 36 N	108W	1936	2,3,4,5	1 , 4 1 , 4 1 , 4
Bald Hountain	7E21M	9600	33	56N	91W	1956	2,3,4,5	1,6	North Horse Creel Piney LaBarge #I	10G1	0 882	12 19	34N 29N	ПĹw	1961 1937	2,3,4,5	1,4
Beaver-Tongue Olvide Bone Spring Olvide	7E20 7E18A	9200 9200	í2 32	55N 55N	91W 89W	1956 1956	2,3,4,5	1,6	Piney LaBarge #2 Pocket Creek	1061 9611	9360	19 19	29N - 32N	ПДw 105w	1959	2,3,4,5	1,4
Granite Pass Ranger Craek	7£17P 7£4	8950 8800	19 32	54N 53N	88w 88w	1956 1935	2,3,4,5		Poison Meadows Snyder Basin R.S.		3MP 8040	29 15	30N 29N	116W	1948 1956	2,3,4,5	1.4
Shell Creek	7E23A	9600	12	52N	88w	1956	2,3,4,5	1	Soda Lake Triple Peaks	10GI		14 33	33N 34N	115W	1955 1956	2,3,4,5	1,4
PORCUPINE CREEK									GREEN RIVER below	w GREEN_RIV	ER					,	,,,
Fiva Springs Falls Medicine Wheel	7E31 7E30	7500 9000	19 24	56n 56n	92 W	1956 1956	2,3,4,5	1,6	Big Park Black's Fk Junc.	U 10J2		7	27N	117W	1951	2,3,4,5	1,4
TONGUE RIVER									Buck Pasture u East Fk Black's	1012	3A 970		3N IN 2N	12E	1961	3,4,5 2,3,4,5	1
Beaver-Tongue Olvide Big Goose #2	7 E20 7 E32 M	9200 7700	12 4	55N 53N	91 W 86 W	1956 1955	2,3,4,5	1,6	Elk River c Hayden Fork u	614 1013	870	25 6 I	ION IS	12E 85 W	1961	3,4,5 2,3,4,5	- 1
Bone Spring Olvida Burgess R.S. #2	7E18A 7E33P	9200 7900	32 36	55N 56N	89 W 89 W	1956	2,3,4,5	1,6 1,6	Henry's Fork u Hewinta R.S. u		4A 1020	5	IN	9E 14E 13E	1951	2,3,4,5	1
Dome Lake #2 Geneva Pass	7E3LA 7E37A	8800) 30	53N 52N	87 W 86 W	1950	2,3,4,5	1,6	Hickerson Park u Hole-In-the-rock	918	910 915	13	3N 2N 2N	17E 15E	1930 1961 1931	3,4,5 3,4,5	
Gloom Creek Granite Pass	7E14A 7E17P	9300 8950	32 19	55N 54N	87 W 88 W	1956 1956	2,3,4,5	1,6	Hole-in-the-rock Kelly R.S.	10G	830 2 820	交 13	3N 26N	16E	1954	4 4 2,3,4,5	
Sibley Laka Steamboat Point	7EII 7EIO	8000 7500	10 32	55N 56N	87 W 87 W	1956 1956	2,3,4,5	1,6 1,6	Lake Fork Basin Middle Baaver Cr	eek u 10Ja		31	1 S 3 N	11E	1962	2,3,4,5	1,4
Sucker Creek Wood Rock G.S.	7E12A 7E13	9000 8500	19 3	55N	87 W 88 W	1956 1956	2,3,4,5	1,6	Old Battle Steel Creek Park Spirit Lake u	6HI 10J2 9J7		8	5N 1PN	13E	1936 1962	2,3,4,5	,6
USDA SCS-LINCOLN N	EBH 1962	2							Trial Lake u	101			1N 2S	17E 9E	1961 1931	3,4,5 1,2,3,4	,5

DRAINAGE BASIN	WYOMING		LOCATION SEC.	N	RANGE	00000	
AND COURSE NAME	NUMBER	ELEV.	LAT.	TWP.	LONG.	RECORD BEGAN	MEAS. MEAS. DATES a BY b
		COLUME	BIA RIVER	DRATNA	GE		a br b
SNAKE RIVER BASIN (A	bove Jack	son Lake	,)				
Arizona I	IOFI	6850	75	17			
Arizona / Astor Creek	10E8	7700	35 44 17 ¹	Цби	115W 110 37'	1919	2,3,4 5
Base Camp	IOF2	6900	20	46N	113W	1919 1917	2,3,4
Coulter Creek	10E10	7600	44 09		110 331	1919	2,3,4 5
Glade Creek	10E13	7200 P 7265	14 08°	Lou	110 111	1919	2,3,4
Grassy Lake Huckleberry Oivide	10517	7300	32	48n 48n	116w 115w	1940	2,3,4,5 5
Lewis Lake Olvide	1069	7900	44 13 1	4014	110 70	1919 1919	2,3,4 5
Moran	I OF LAF		8,17	45N	11Lw	1919	2,3,4,5
Moran Bay	10F3	6800	14	45N	116W	1919	2,3,4 5
Snake River Station		₽ 6780	₩ 08 i		110 401	1919	2,3,4
Thumb Oivlde	10E7	7900	14 55 1		110 351	1951	55525555555555555555555555555555555555
JACKSON LAKE TO PALI	SAOES						
Afton R.S.	1 0G4	6200	30	32 N	118w	1936	1,2,3,4,5 4
Blackrock	10F7	8600	4	LILIN	TITW	1936	2,3,4,5 4
Blind Bult Summit	1062A 10F14	8750 6250	9	34N	115W	1948	2,3,4
Bryan Flat CCC Camp	1067	7500	9	38n 29n	115W	1936	1,2,3,4,5 1
Cottonwood Lake	10G5A	7500	25	31N	118w	1936 1936	2,3,4,5 1,4
Oeadman Ranch	10gía	6534	32	35N	116W	1936	2,3,4
East Rim Oivide	10F178		32	37N	HIW	1936	1,2,3,15 (1)
Four Mile Meadows	10F6 10F18	7770 5800	35 33	45N 37N	112W	1936	2,3,4,5 5
Grey's Boundary Gros Ventre	10F19	8750	36	TON	IIIW	1936 1948	2,3,4,5 1,4
Grover Park Olvide	1063	7500	27	33N	118w	1936	1,2,3,4,5 1,4
Loomis Park	10F16	8500	14	37N	HIW	1936	2,3,4,5
Polson Meadows	1066	8500	29	30N LIN	116W	1949	2,3,4,5
Teton Pass #2	10F13	8500 9600	52 57	ЦLN	II8W	1936	1,2,3,4,5
Togwotee Pass Turpin Meadows	10F5	6930	17	45N	112%	1936	2,3,4,5 5 2,3,4 5
Yellowjacket	10F10	7675	33	12N	112 W	1936	2,3,4,5 4
Salt River Summit	1068#		32	29N	118W	1948	1,2,3,4,5 1,4
Snow King Mtn. #3	1 0F20	м 7600	Ĺ,	40n	116W	1959	Semi. Ho. I
BEAR RIVER							
Big Park	10G11	8700	7	27N	117W	1951	2,3,4,5 1,4
CCC Comp	1067	7500	9	29N	118w	1936	2,3,4,5
Goodman Ranch u Havden Fork U	10J6 10J7	7900 9300	19 1	3N I S	10E 9E	1937 1951	4,5
Head of Baar River		8600	15	2N	IOE	1935	4,5
Kelly R.S.	10G12		13	26N	118w	1951	2,3,4,5 1,4
Lake Fork Basin u	10125		13	15	HE	1962	2,3,4,5
Monte Cristo R.S. u	11412	8960	3	8N 30N	4E 116w	1930	3,4,5
Poison Meadows Salt River Summit	10G6 10G8#	8500 P 7900	29 32	30N 29N	118W	1948 1948	2,3,4,5 1,4 2,3,4,5 1,4
Trial Lake U	10J8P		5	25	9E	1931	1,2,3,4,5

a. Numerals 1,2,3,4 and 5 refer to January 1, February 1, March 1, April 1, and May 1.
b. Numerals refer to Agency that secures the snow survey, as follows:
 1. Soil Conservation Service.
 2. U. S. National Park Service.
 3. U. S. Indian Service.
 4. U. S. Forest Service.
 5. U. S. Bureau of Reclamation.
 6. Wyoming State Engineer.
 7. World Age
 8. March 1, April 1, and May 1.
 6. Utan Service.
 9. Wyoming State Engineer.
 8. Acrial Snow courses.
 9. We soil Moisture Stack
 9. Pearson Storage Gage

WATER SUPPLY OUTLOOK

FOR

WYOMING

April 1, 1963

Agricultural and power production, industry, and municipalities are again facing a water shortage. The high elevation snowpack throughout the State is seriously below normal. The April I, 1963, snow surveys indicate that snow melt runoff, for most of the State, will be inadequate for the ensuing summer season. However, reservoir storage is close to normal for this time of year. During the next month, extremely heavy snow storms will be necessary to bring Wyoming snow storage up to normal.

*

*

*

*

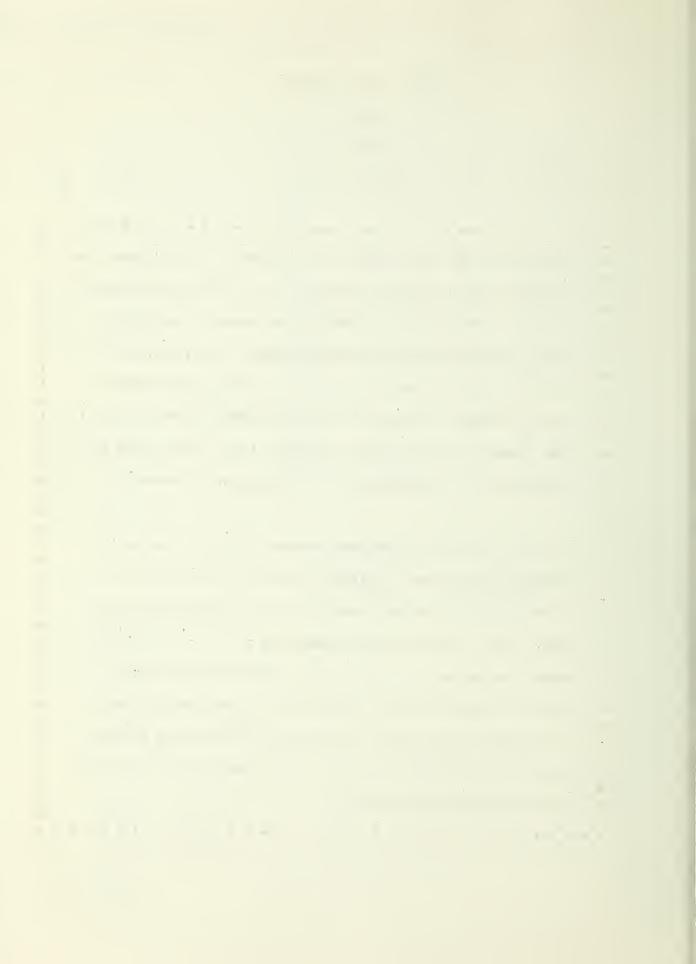
*

*

*

*

During this coming season when streams without storage will apparently be severely limited, water user's plans should reflect possible changes compatible to the anticipated water supply, particularly on agricultural lands. More profitable operations and more efficient use of water are achieved by using an adequate supply of water on a limited acreage than by spreading a short water supply over all available acreage. Consideration should be given to the following list of crop and water management suggestions.



WATER CONSERVATION PRINCIPLES

Study the local snow surveys and stream flow forecasts. Prepare an irrigation and cropping plan in keeping with the seasonal water supply outlook.

Reduce losses in the system by keeping ditches clean and structures in good repair.

Keep irrigation streams constant as possible by working with your neighbors.

Irrigate with larger heads to reduce losses.

Apply only enough water to fill the root zone of the crop being irrigated.

Determine irrigation needs and depth penetration with shovel or soil auger.

Consider early maturing crops that require low water demands.

Perennial hay crops should be allotted a reasonable amount of water early in the season to produce a good first cutting.

New plantings of perennial crops, including pasture, should be delayed until a more favorable water season.

Priority in the use of water should be assigned to the best land, considering those lands which are most efficiently irrigated.

In line with the available water supply, the decision must be made by the farmer as to the proportion of acreage he will place in high water using and more profitable crops and the acreage that he will balance off with low water using crops, or fallow.

Remember past years. The incidence and intensity of summer precipitation will seldom overcome inadequate water supplies.

CONTACT YOUR WORK UNIT CONSERVATIONIST

B. H. Hopkins State Conservationist Soil Conservation Service

Earl Lloyd State Engineer of Wyoming Cheyenne, Wyoming



	0		- September	
BASIN AND TRIBUTARY	Forecast	Stream-Flow in % 15-Year	Measured	
DASTIN AND INTEGRANT	Runoff	Average	medsur ed	15-Yr. Avg.
			1961	1943-57
HAD I SON DIVED				
MADISON RIVER West Yellowstone (at)	161	76%	168	216
,		•		
YELLOWSTONE RIVER	1520	77%	175/	1090
Corwin (at)	1920	11/0	1356	1980
LITTLE POPO AGEE				
Lander (near)	30.6	74%	25	41.4
NORTH POPO AGIE				
Milford (near)	58	78%	57	74*
BULL LAKE CREEK Lenore (near)	151	84%	134	180*
terior e (near)	171	04/0	1.2/4	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
WIND RIVER				100
DuBois (near)	75	75%	60	100*
SHELL CREEK				
Shell (near)	5L	84%	47	64
TENSLEEP CREEK				
Tensleep (near)	6Li	80%	51	80
	.,			
MEDICINE LODGE CREEK	14.9	77%	13.3	19.3
Hyattville (near)	14.9	1170	1,000	17.7
SHOSHONE RIVER			1	0
Buffalo Bill Dam (below) (1)	630	71%	459	851
CLARK'S FORK				
Chance, Mont. (at)	419	73%	142	617
1454115 0115				
LARAMIE RIVER Jelm (at) (2)	75	67%	98	113
001 (01)	17	- 1/-		
ENCAMPMENT RIVER	100	454	22	154
Encampment (near)	102	65%	77	156
MEDICINE BOW RIVER				
Hanna (near)	64	65%	46	99
NORTH PLATTE RIVER				
Northgate (at)	122	48%	200	255
Saratoga (àt)	360	54%	71071	661

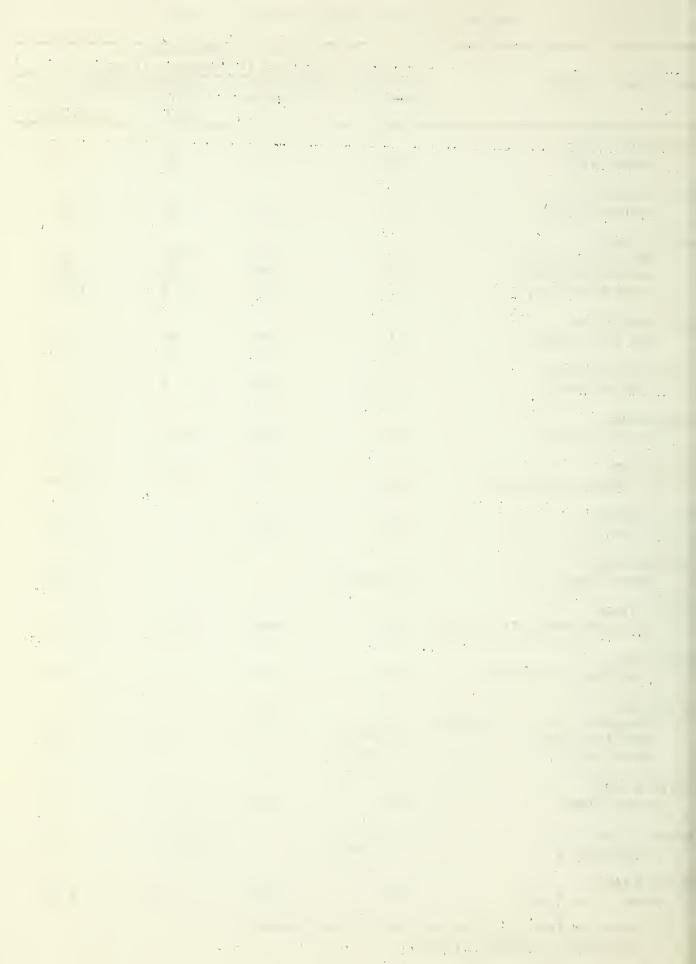
All stream data taken from observed flow records with the following exceptions:
(1) Osberved flow corrected for Buffalo Bill storage, and Heart Mtn. diversion.

⁽²⁾ Observed flow corrected for Colorado diversion above station.



			September	
DACIN AND TRIBUTARY	Forecast'	raam-Flow in TI % 15-Year	Measured	
BASIN AND TRIBUTARY	Runoff	Average	measur ed	15-Yr. Avg.
	Kanori	Aveilage	1961	1943-57
NORTH PINEY CREEK Mason (at)	20.9	51%	20	41
NEW FORK RIVER Boulder (near)	120	1.6%	91	261
GREEN RIVER Warren Bridge (at) Fontenelle (near) Green River (at)	220 425 516	63% 43% 43%	220 399 393	348 983* 1200
BIG SANDY CREEK Big Sandy (near)	41	70%	29	59
LITTLE SANDY CREEK Elkhorn (near)	10.5	70%	8	15
SNAKE RIVER Moran (at) (3)	530	57%	669	928
SNAKE RIVER Palisades (above) (3)	1640	59%	1930	2758*
LITTLE SNAKE Lilly, Colo: (at)	200	57%		335
BUFFALO FORK Moran (near)	No Report			337*
GREY'S RIVER Palisades reservoir (above)	220	58%	227	<u>4</u> 03*
SALT RIVER Etna (above reservoir)	195	59%	164	360
BEAR RIVER Utah-Wyo. State Line (near) Randolph (near) Harer (at)	63 No Report No Report	51%	66 5	123 115* 299
SMITH'S FORK Border (near)	71	64%	L ₁ 9	119
HENRY'S F.ORK Linwood (at)	No Report		16	40
BLACK'S FORK Green River (near)	50	214%	16	210*
(3) Observed flow corrected for	r Jackson Jal	ce storage.		

⁽³⁾ Observed flow corrected for Jackson Lake storage.* Less than 15 years of record.



STATUS OF WYOMING RESERVOIR DATA

April 1, 1963

BASIN		USABLE	USABLE	STORAGE	- 1000's	ACRE FEET .
and/or STREAM	RESERVOIR	CAPACITY 1000's AF	1963	1962	1961	1943-57 15-Yr. Avg.
Snake River Snake River Snake River	Jackson Palisades Grassy Lake	847.0 1202.0 15.2	599·3 1074·4 11·9	165.8 681.3 8.9	133.9 640.0 7.0	465.5 661.3# 13.2
North Platte North Platte North Platte North Platte North Platte	Seminoe Pathfinder Guernsey Alcova** Glendo	981.8 1011.0 39.8 30.3 786.3	332.2 504.2 32.5 0.56 398.0	106.0 243.8 19.3 17.0 367.9	63.3 251.7 19.2 12.3 278.4	428.4 631.4 28.5 277.0#
Laramie River	Wheatland	95.0	60.0	73.3	15.5	
Belle Fourche	Keyhole	190.3	67.0	9•5	2.7	8 .7 #
Shoshone River	Buffalo Bill***	380.3	152.4	127.9	135.2	220.6
Wind River Wind River Wind River	Boysen Pilot Butte Bull Lake	560.0 31.6 152.0	333. l 25. 5 91. 3	137.9 23.7 78.0	106.3 24.7 58.3	426.7* 18.2 60.1
Green River	Big Sandy	38.3	11.0	7.7	5.5	7.3#
Greybull River	Sunshine	53.0	N.R.	28.6	7.5	
Owl Creek	Anchor	16.5	0.2			

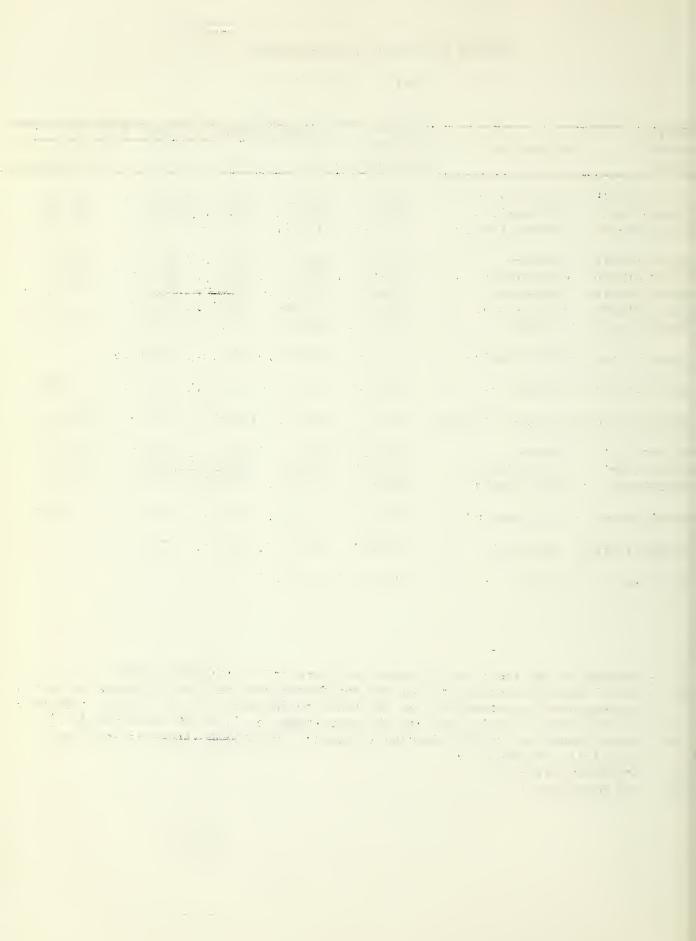
^{*} Average is for less than 15 years of record in the 1943-57 period.

^{**} Alcova downstream from Seminoe and Pathfinder includes 160,170 acre feet of storage that is unavailable to the Kendrick Project. In the future, storage in this reservoir will be held at usable capacity (190,500 acre feet.)

^{***} Usable capacity 439,800 acre feet, however, 59,500 acre feet are inactive except in emergency.

e Estimated average.

[#] All past data.



STATUS OF NEBRASKA AND SOUTH DAKOTA RESERVOIR DATA

April 1, 1963

BASIN and/or STREAM	RESERVOIR	USABLE CAPACITY 1000's AF	USABLE 1963	STORAGE -	1000's A	CRE FEET 1943-57 15-Yr. avg.
Kansas Basin Kansas Basin Kansas Basin Kansas Basin Kansas Basin Kansas Basin Kansas Basin Kansas Basin Kansas Basin	Bonny Swanson Lake Enders Harry Strunk Harlan County Cedar Bluff Lovewell Kirwin Webster Kanopolis	39.9 116.1 36.0 33.9 348.8 176.8 37.3 88.8 64.9 48.1	42.0 116.3 33.7 34.1 354.0 174.3 25.6 89.9 64.9 53.0	37.4 120.6 43.0 39.2 350.2 185.6 41.8 94.0 70.6 39.5	37·4 105·7 45·0 37·2 356·7 70·1 29·5 84·3 70·1	36.8* 89.2* 41.8* 36.2* 254.2* 58.2* 34.7* 54.4* 58.2*
SOUTH DAKOTA Belle Fourche	Belle Fourche	185.2	17点.8	58.2	37.6	116.9
Ceeyenne River Cheyenne River	Angostura Deerfield	92.0	89.9 8.1	18.2 4.1	6.5 2.8	42.1* 11.3*
Grand River	Shadehill	84.0	54.5	35.0	51.3	78.4*
Rapid Creek	Pactola	55.0	29.1	3.9	16.4	15.4*

c. Located in Colorado

k. Located in Kansas

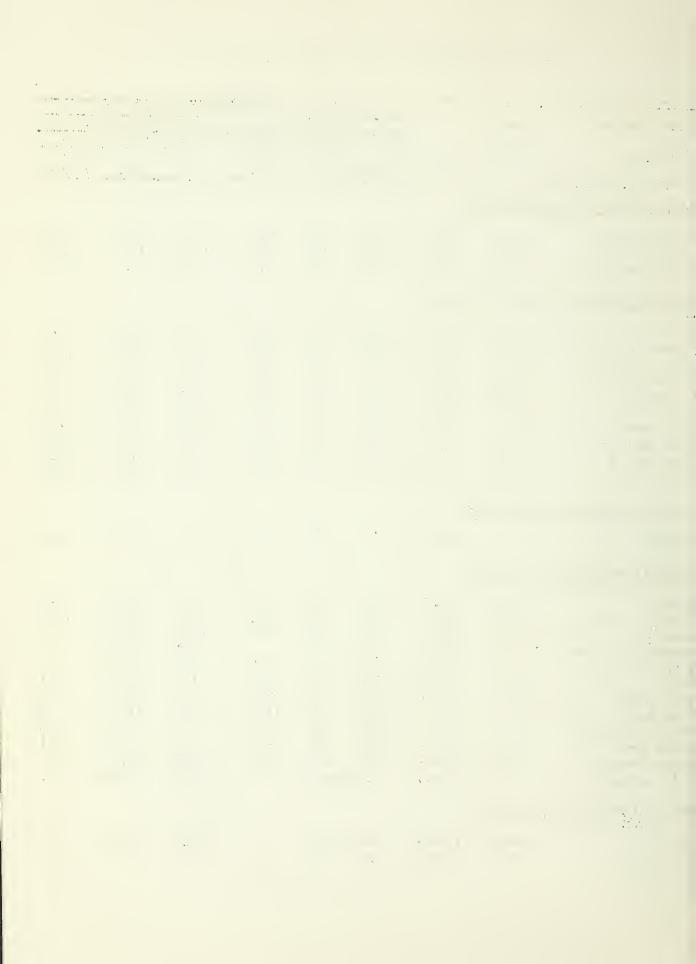
^{*} Average all past data.

	2,	A CONTRACTOR			
			1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	e sa	tion of the second
		e y Vinter			i de la companya de l
				Source of the second se	

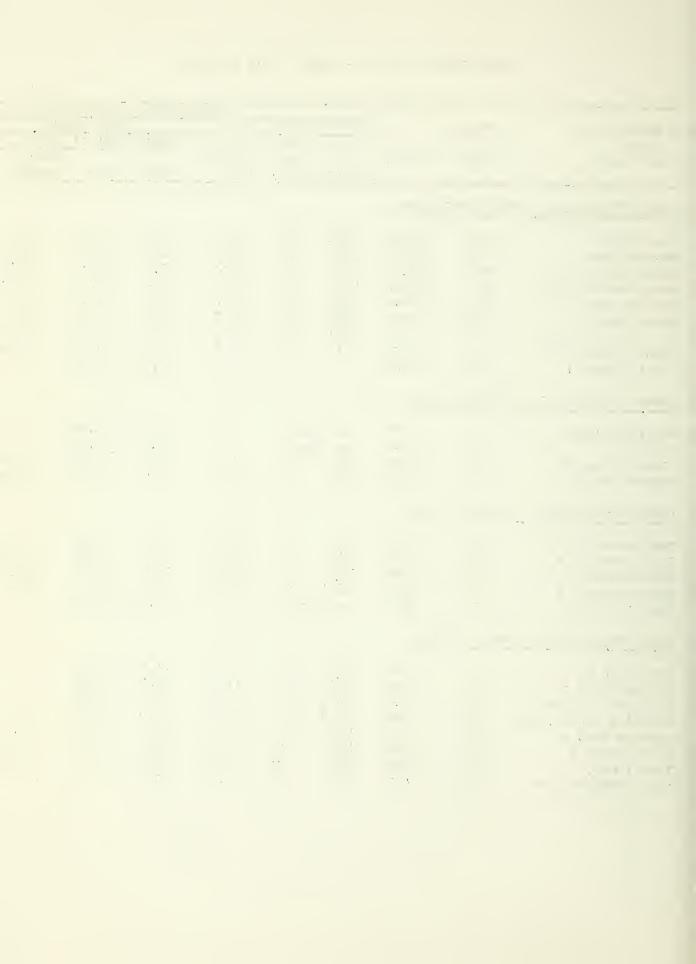
				<i>11.</i>	
9.4		Company of	4		
r . ,	÷ , 5,		•	ti sasar sa ya ti santa sana	Programme of the second
			A S	and the experience	Market and August Andrews
		* * .	1. A. C.		

等。在1000年,1000年,1000年的1000年 1000年,1000年,1000年,1000年

SNOW COVER MEASUREMENTS												
Drainage Basin	Number			1963	SIVOW		PAST REG					
and	or		Date	Snow	Water		Content	(In.)				
Snow Course	State	Elev.	of	Depth	Content			1943-57				
	nic Guille (S. 11940) leading in the		Survey	(In.)	(In.)	1962	1961	Average				
MADISON RIVER - YELLO	WSTONE PA	RK										
		mentions.	, .									
Norris Basin ÷	10E2	7500	3/28	33	8.0	12.4	8.7	10.3e				
21 Mile ^m West Yellowstone ^m	11E6 11E7	7150 6700	3/27 3/27	32 20	9.2 6.3	17.8 11.0	14.8 9.3	19.2 12.7				
west fellowstone	116/	0700	2/41	20	0.5	11.0	7•7	12.1				
UPPER YELLOWSTONE - Y	ELLOWSTON	E PARK										
Canyon	10E3	7750	3/31	41	12.3	19.4	13.3	16.0				
Northeast Entrance ^m	10D7MP	7400	3/30	27	7.4	9.3	7.5	9.0				
Crevice Mountain ^m	1005	87100	4/1	30	8.2	12.1	5.6	10.5				
East Entrance *	9E5MP	7000	3/30	27	6.4	9.7	6.8	11.9e				
Lake Camp #1	1 OETW	7850	3/31	2 <u>Г</u>	5.3	14.4	8.6	12.1e				
Lake Camp #2 Lupine Creek	1 OE I	7850 7300	3/31 3/29	20	4.6	13.4 12.6	7.9 8.9	10.8e 11.6e				
Norris Basin ÷	10E2	7500 7500	3/29 3/28	26 33	4.4 8.0	12.4	8.7	10.3e				
Sylvan Pass ÷	10E5	7100	3/30	30 30	10.5	10.9	11.2	15.9				
Thumb Divide ÷	10E7	7900	3/30 3/27	139 111	12.9	29.0	16.1	25. Ĺje				
LOWER YELLOWSTONE - C	LARK'S FO	RK										
Lodgepole	9E1	8200	4/1	34	9.4	11.1	7.4	13.1e				
LOUED MELLOWOTONE	(1.15 D 1.15 D											
LOWER YELLOWSTONE - W	IND RIVER											
Big Warm	9F12	8800	3/27	29	8.0	12.0	5.8	10.1e				
Burroughs Creek	9F4	8800	3/29	37	12.3	15.6	8.8	16.9e				
Dinwoodie	9F10	10000	3/30	38	10.0	13.5	8.6	13.2e				
Dinwoodie Glaciers	9F17A	10500		eport 26	6.5	16.0A	8.5A	7 10				
Dry Creek DuNoir	9F9 9F6	9500 8750	3/30 3/27	27	8.4	8.4 11.3	5·5 3·4	7.1e 10.1				
Geyser Creek	9F7	8500	3/28	2/1	7.4	9.1	4.0	9.4e				
Little Warm	9F8	9500	3/28	46	14.2	21.5	12.5	18.3e				
Sheridan R.S. #2	9F14	7500	3/27	23	7.5	8.4	3.9	9. Lie				
T-Cross Ranch	9F3	8000	3/29	17	5.6	6.8	4.0	8.1				
Togwotee Pass :	10F9MP	9600	3/28	69	24.4	33.4	24.0	32.1				
Twenty Lakes *	9F7A	10500	No Re	eport		12.5A	10.0A					
LOWER YELLOWSTONE - O	WL CREEK											
Kirwin ÷	9F19A	10000	No Pa	eport		13.0	5.5A					
Owl Creek	8FI	8700	3/29	23	5.7	7.9	7.6	7.3€				
					-							



					SNOW	COVER ME	ASUREME	ENTS
Drainage Basin	Number			1963	grande en		PAST REC	
and	or	1	Date	Snow	Water	Water C	Content	(In.) 1943 - 57
Snow Course	State	Elev.	of Survey	Depth (In.)	Content (In.)	1962	1961	Average
			Survey	(1110)	(1110)	170-		
LOWER YELLOWSTONE - PC	PO AGIE	RIVER						
Blue Ridge	8G2	9500	3/23	39	12.0	13.9	7.9	13.7
Bruce's Camp	8G5	6500	3/24	11	4.1	2.2	4.4	5.5e 20.1e
Hobbs Park D.S.	9G3	10000 9500	4/1	45 26	12.9 7.7	20.5 9.2	15.1 6.8	20.1e 9.1e
Mosquito Park R.S. Sawmill Glade	96U 861	9500 8500	3/23		9.1	10.2	7.1	8.6
South Pass :	8G3MP	9000	3/23	32 42 24	14.0	16.9	8.7	16.4
St. Lawrence R.S.	9F11	9000	3/31 L1/1	5F	6.5	9.7	5.6	7.8e
Trout Creek	9G2	87100	7i/1	15	5.3	7.5	7.6	6.7e
Twenty Lakes :	9 G7 A	10500				12.5A	10.0A	
LOWER YELLOWSTONE - GF	REYBULL R	IVER						
Frontier Needle	9E6	1 0000	No Re	eport		.10.8	5.5A	
Kirwin #	9F19A	11000	No Re	eport		13.0	5.5A	
Timber Creek #2	9E3	8800	3/27	13	4.1	5.6	3.7	3.7a
Wood River #2	9F15	8000	3/28	20	5.0	8.5	6.6	5.8a
LOWER YELLOWSTONE - SH	HOSHONE F	RIVER						
Carter Mountain	9E/IM	7800	3/26	16	3.9	8.2	5.3	
East Entrance *	9E5MP	7000	3/30	27	6.4	9.7	6.8	11.9e
Sylvan Pass 🕏	10E5	9200	3/30	39	10.5	10.9	11.2	15.9
Togwotee Pass :	10F9MP	9600	3/28	69	24.4	33.4 15.0A	24.0 10.9A	32.1
Yount's Peak	9F18A	8500	No K	eport		ii ya on	10.5/1	
LOWER YELLOWSTONE - NO	OWOOD CRE	EEK						
Bear Trap :	7F1A	8000	3/27	26	8.6	11.8	6.8	
Canyon Creek :	7F2	7 <u>4</u> 00	3/26	Ti5	11.7	14.0	12.3	
Cold Springs Camp	7E25	8700	3/30	2b	6.9	7.0	6.5	
Medicine Lodge Lakes	7E2LIM	9500	3/30	37 27	10.4 7.1	11.8	10.4 7.5	9.3e
Munkres Pass +	7E8	9700 8100	11/2	27 29	8.3	13.5 13.5	7.2	7•70
Onion Gulch # Tyrell R.S.	7E27M 7E35	8300	4/2	30	8.3	10.2	8.1	7.5e
West Tensleep Lake	7E26A	9075	Ĺ/i	<i>3</i> 7	11.0	15.3	9.9)
11001								



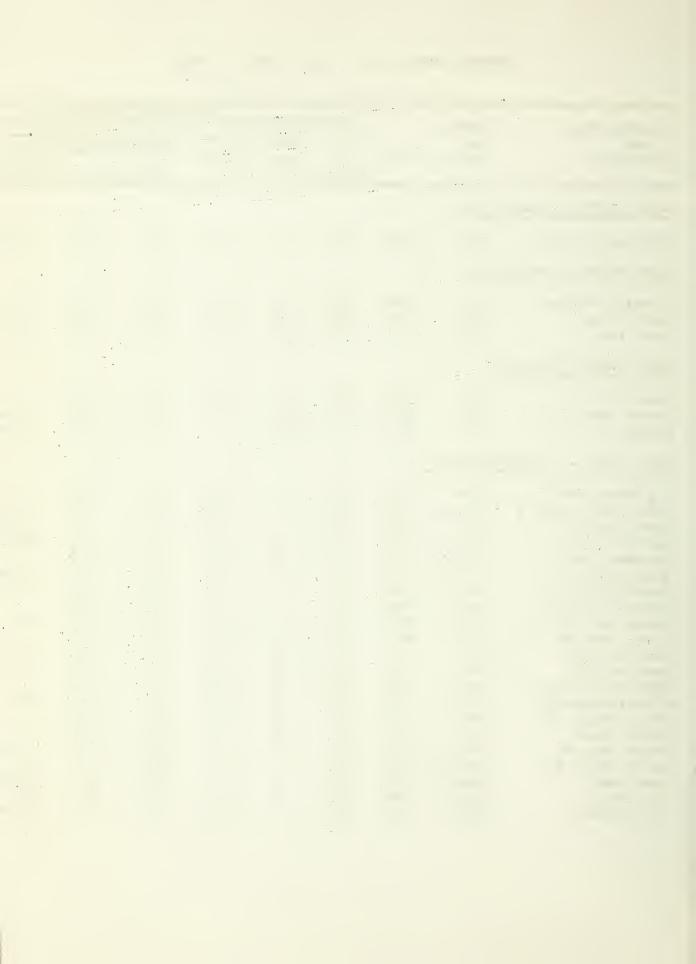
					SNOW	COVER M	FASIREM	ENTS		
Drainage Basin	Number			1963	0.1011		PAST REG			
and	or		Date	Snow	Water	Water	Content	(In.)		
Snow Course	State	Elev.	of Survey	Depth (In.)	Content (In.)	1962	1961	1943-57 Average		
LOWER YELLOWSTONE - SHI	ELL CREEK									
Bald Mountain : Beaver Tongue : Bone Spring Divide : Granite Pass : Ranger Creek Shell Creek	7E21M 7E20 7E18A 7E17P 7E4 7E23A	9600 9200 9200 8950 8800 9600	3/25 3/25 3/27 3/27 3/31 3/31	72 62 50 48 34 47	24.1 19.8 15.6 15.1 9.4 13.4	24.7 22.1 20.7 19.0 10.9 17.2	18.8 16.8 13.4 12.2 7.8 11.9	20.5a 18.9a 16.8a 17.6a 9.1e 14.7a		
LOWER YELLOWSTONE - PO	RCUPINE C	REEK								
Five Springs Falls Medicine Wheel	7E31 7E30	7500 9000	3/28 3/26	27 59	8.0 20.0	6.0 16.1	5.4 14.3	5.7a 15.8a		
LOWER YELLOWSTONE - TONGUE RIVER										
Beaver Tongue * Big Goose #2 Bone Spring Divide * Burgess R.S. #2 Dome Lake #2 Geneva Pass Gloom Creek Granite Pass * North Tongue Sibley Lake Steamboat Point Sucker Creek Wood Rock G.S.	7E20 7E32M 7E18A 7E33P 7E34A 7E37A 7E11A 7E17P 7E15 7E11 7E10 7E12A 7E13	9200 7700 9200 7900 8800 10600 9300 8950 8800 8000 7500 9000 8500	3/25 3/30 3/27 3/26 3/30 3/28 3/29 3/29 3/29 3/28	62 26 50 31 36 49 40 40 31 44 37	19.8 7.6 15.6 10.5 15.0A 15.3 15.1 12.9 14.1 10.7	22.1 10.8 20.7 7.9 13.5 16.3 19.0 13.9 11.0 9.1	16.8 7.6 13.4 9.1 12.0A 12.2 12.2 9.3 7.3 11.2 8.5	18.9a 8.1a 16.8a 7.6a 10.2a 13.5a 17.6a 9.9a 7.9a 12.2a 10.8a		
LOWER YELLOWSTONE - PO	WDER RIVE	R								
Bear Trap : Canyon Creek : Cloud's Peak Muddy Creek G.S. Munkres Pass : Onion Gulch : Soldier Park Sour Dough	7FIA 7F2 7E36A 6E2 7E8 7E27M 7E5 6E1	8000 7400 10000 7500 9700 8100 8700 8500	3/27 3/26 3/30 4/1 4/2 4/2 4/1	26 42 33 12 27 29 19 20	8.6 11.7 10.0A 2.8 7.1 8.3 4.5 5.4	11.8 14.0 19.0A 5.2 13.5 13.5 7.4	6.8 12.3 12.0A 4.4 7.5 7.2 5.4 6.8	4.3a 9.3e 9.3a 5.5e 7.3		



D D			SNOW COVER MEASUREMENTS						
Drainage Basin			Date Snow Water			PAST RECORD Water Content (In.)			
and Snow Course	or State	Elev.	of	Depth	Content	Water	Content	(In.) 1943 - 57	
Show Course	Sidie	LICV.		(In.)	(In.)	1962	1961	Average	
									
NORTH PLATTE - LARAM	IE RIVER								
Albany :	6H11A	9400	4/5	35	12.3	16.8	11.2	15.5e	
Brooklyn Lake #2	6н13	10200	3/25	51	17.3	26.1	19.5	23.0e	
Cameron Pass ^C *	5J1	10300	3/27	54	20.1	38.9	22.3	24.9	
Chambers Lake ^C	5J2	9000	3/30	22	7.9	10.1	6.7	8.8	
Deadman Hill ^C	5J6	10300	4/1	39	13.0	17.2	15.4	16.8	
Evans +	6H15	9000	3/28	31	10.3	15.8	7.8		
Foxpark #	6H12	9200		Report		10.8	4.8	7.4	
Hairpin Turn #2	6н2	9500	3/25	33	10.L	13.0	10.1	12.9	
Hairpin Turn #3	6H2	9500	3/25	ΓiO	13.3	17.5	12.7		
LaBonte ÷	5G2	8450		Report	_	4.5	6.3	6.6e	
Libby Lodge	6H3	8700	3/25	33	10.7	11.3	9.1	11.5	
Lost Lake ^C	5J23	9300	3/30	30	10.5	13.1	8.5	11.8e	
Mc Intyre ^C	5115	9100	3/28	31	7.1	15.8	8.8	II.Lie	
Pole Mountain #2 **	5H1	8700	3/26	17	3.8	5.1	5.8	5.6e	
Roach ^C +	6112	9800	3/27	78	11.8	26.0	N.R.	20.0	
Rock Creek +	6н1 Да	9800	3/27	65	22.1	35.5	21.0A		
NORTH PLATTE - ABOVE	SEMINOE R	ESERVOIR							
Albany :	6нтта	9400	11/2	35	12.3	16.8	11.2	15.5e	
Bottle Creek	6н8	8200	3/29	33	11.9	16.6	9.3	15.4	
Boxelder #2 :	5G1	9000	3/26	22	7.0	8.4	7.0	17.4	
Cameron Pass ^C :	5J1	10300	3/27	54	20.1	38.9	22.3	24.9	
Casper Mountain ÷	6GIMP	8700	3/28	12	11.3	18.5	15.3	-4.7	
Columbine ^C	613	9300	3/28	59	22.1	30.0	17.2	24.7	
Evans #	6H15	9000	3/28	31	10.3	15.8	7.8	• •	
Foxpark :	6H12P	9200		Report		10.8	4.8	7.4	
LaBonte :	5G2	8450	No	Report		4.5	6.3	6.6e	
North Barrett Creek	6H5AM	9400	3/28	41	12.1	25.1	16.5	20.0	
North French Creek	6HLIAP	10200	3/28	64	22.8	37.0	24.8	30.5	
Northgate ^C	6J7	8500	3/28	13	4.4	8.9	4.4	6.2e	
Old Battle +	6H10P	9800	3/29	69	23.6	35.4	23.7	33.3	
Park View ^C	615	9200	3/27	24	7.2	13.4	7.8	9.7	
Roach ^C +	6115	9800	3/27	48	11.8	26.0	N.R.	20.0	
Rock Creek *	QH I LIA	9800	3/27	65	22.1	35.5A	21.0A		
Ryan Park	6H6A	87100	3/28	20	5.0	14.9	10.2	11.6	
Webber Spring	6H9M	9000	3/29	15	14.7	20.1	11.9	20.0	
Willow Creek Pass ^C	6 J 5	9500	3/27	31	9.8	18.0	9.8	13.6	



					CNOW	COVED M	EASIEDE MI	ENTS
D. L Deele	Mumbar		SNOW COVER MEASUREMENTS 1963 PAST RECORD					
Drainage Basin and	Number or		Date	Snow	Water		Content	(In.)
Snow Course	State	Elev.	of	Depth	Content			1943-57
Show Codi Sc					(In.)	1962	1961	Average
NORTH PLATTE - CROW CREEK								
Pole Mountain #2 4	5H1	8700	3/26	14	3.8	5.1	5.8	5.6e
NORTH PLATTE - SWEETWA	ATER							
Grannier Meadows	8GL	9000	3/23	42	13.9	16.4	8.4	16.1
Larsen Creek	9G6A	9000	3/28	28 Lo	7.6	15.2	8.9 8.7	11.6e 16.4
South Pass *	8G3MP	9000	3/23	42	14.0	16.9	0.1	10.4
NORTH LARAMIE MOUNTAIN	NS							
Boxelder #2 *	5G1	9000	3/26	22	7.0	8.4	7.0	- 0
Casper Mountain +	6GIMP	8700	3/28	42	11.3	18.5	15.3	13.7a
LaBonte ÷	5G2	8450	No I	Report		4.5	6.3	6.6e
GREEN RIVER - ABOVE GR	REEN RIVEF	3						
Big Sandy Opening	969P	9220	3/29	3 <u>L</u> 1	9.5	15.2	11.0 21.0A	. 33.4e
Blind Bull Summit *	10G2A	8750	3/29 3/29	57 17	20.5A 5.7	34.0A 12.7	7.8	8.9e
Dutch Joe R.S.	9G5 10F17MP	8700 7950	3/29	26	6.7	14.4	6.6	12.4
East Rim Divide * Elk Heart Park	9F23P	9400	3/31	35	11.6	19.6	10.7	
Gros Ventre *	10F19A	8750	4/1	30	9.2	17.2	9.8	13.7e
Kendall R.S. #I	10F15	7900	4/1	21	8.1	14.3	7.3	11.9
Kendall R.S. #2	10F15	7900	4/1	26	9.9	17.0 22.2	8.7 10.8	19.4
Loomis Park #1 +	10F16	8500	3/31 3/31	11 11	14.4 14.8	23.6	11.4	1704
Loomis Park #2 : Mulligan Park	10F16 9G1	8500 8900	3/31	22 7/7	7.6	14.4	₹7.7	11.5
New Fork Lake	961 9F21	8325	3/31	29	9.1	15.0	9.2	
North Horse Creek	10G16	8200	3/30	ĹŚ	15.2	26.3	15.1	22 5
Piney LaBarge #1	10610	8820	3/29	1,16	16.1	26.3	11.6	20.5
Piney LaBarge #2	10610	8820	3/29	55	19.8	30.9 17.8	14.8 9.9	
Pocket Creek	9G11	9360	3/29	25	7.6 25.7	17.8 39.6	21.4	30.9e
Poison Meadows *	10G6A 10G13MP	8500 801,0	3/29 3/29	73 ไป	25.7 13.6	20.8	8.4	16.4
Snyder Basin #2 Soda Lake	10G15MF	8300	3/30	12	14.0	20.6	12.9	20.6e
South Pass +	8G3MP	9000	3/23	42	14.0	16.9	8.7	16.4
Triple Peaks	10G15	8500	3/30	55	19.8	31.4	19.3	32.0e



				10/3	SNOW	COVER MEASUREMENTS			
Drainage Basin	Number		D = 4 =	1963	11/0 /		PAST RE		
and	or State	Elev.	Date of	Snow	Water Content	warer	Content	(In.) 1943-57	
Snow Course	State	CIEV.	Survey	Depth	(In.)	1962	1961	Average	
			Jul vey	(111.0)	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	1702	1901	Average	
GREEN RIVER - BELOW GREEN RIVER									
Big Park	10G11	8700	3/28	44	15.4	26.7	14.1	21.la	
Black's Fork Jct,	10155	8925	3/20	28	7.2	11.1	7.4		
Buck Pasture	10J23A	9700	3/25	39	10.5A	N.R.	/ 1		
East Fork Black's FK. Elk River	617 10151	9300 8700	3/20 3/29	29 27	7.6 11.5	12.1 21.3	6.4 12.8	18.2	
Henry's Fork	101574	10200	3/25	37 36	9.7A	N.R.	12.0	10.2	
Hewinta R.S.	1014	9500	3/21	32	8.9	10.8	7.6	10.5	
Hickerson Park	918	9100	3/27	1 3	3.8	10.6	6.4		
Hole-in-the-rock	1011	9150	3/26	18	3.8	8.1	6.9	6.5	
Hole-in-the-rock G.S.	1013	8300	3/25	6	1.8	4.2	2.8	1.8	
Kelly R.S.	10G12	8200	3/28	33	12.7	24.7	11.4	18.1	
Lake Fork Basin Middle Beaver Creek	10J25A 10J2	11100 8550	3/26	No" Repoi 12	7.0	N.R. 7.3	6.1	5.7	
Old Battle	6H10P	9800	3/29	69	23.6	35.4	23.7	33.4	
Spirit Lake	9 J 7	10300	3/27	23	5.6	20.2	14.0	JJ + 4	
Steel Creek Park	10J20A	9900	3/20	36	9.3	12.4			
JACKSON LAKE TO PALISADES									
A(+ D C	1001	6200	7/00	T		0.0	0 0	1 0-	
Afton R.S. Base Camp	106/ _։ 10F2	6900	3/28 3/28	37	12.4	0.0 20.5	0.0 12.3	1.8e 19.9e	
Blackrock	10F7	8600	3/28	52 52	17.3	25.0	17.1	24.3	
Blind Bull Summit	10G2A	8750	3/29	57	20.5A	34.0A	21.0A		
Bryan Flat	10F14	6250	3/29	5	1.6	13.3	5.9	11.2	
CCC Camp	10G7	7500	3/29	27	8.5	11.5	6.9	12.3	
Cottonwood Lake	10G5A	7500	3/30	34	10.5A	21.5A	14.5A		
Deadman Ranch East Rim Divide	IOGIA IOFI7MP	6534 7950	3/29 3/29	6 26	2.0A 6.7	13.2A 14.4	8.5A 6.6	11.2 12.4	
Four Mile Meadows	10F6	7770	3/28	35	10.5	15.9	11.4	14.3	
Greys Boundary	10F18	5800	3/28		ace	13.2	7.5	11.9	
Gros Ventre	10F19	8750	3/27	34	9.2A	17.2	9.8	13.7e	
Grover Park Divide	10G3	7500	3/28	25	8.1	15.0	7.5	11.9	
Loomis Park #1	10F16	8500	3/31	41	14.4	22.1	10.8	19:4	
Loomis Park #2	10F16	8500	3/29	4	14.8	23.6	11.4	70.0	
Poison Meadows	10G6	8500 7900	3/29	73 78	25.7	39.6	21.4	30, 9e	
Salt River Summit Snow King Mtn. #3	IOG8MP IOF20M	7900 7600	3/29 3/30	38 33	11.8 8.9	19.4 19.2	10.0	16.1e	
Teton Pass #2	10F13	8500	11/2	72	23.9	42.1	25.7	38 . 7	
Togwotee Pass	IOF9MP	9600	3/28	69	24.4	33.4	24.0	32.1	
Turpin Meadows	10F5	6930	3/28	22	6.4	12.1	8.4	11.6	
Yellowjacket	10F10	7675	N	o Repor	t	N.R.	3.8	6.4	

